

## Retired Employees Will Receive Increases In Retirement Income

Retired Union Carbide employees will receive an increase in their monthly retirement income, effective July 1. The increase in the retirement income is included in major improvements in employee benefits recently approved by the stockholders and the Internal Revenue Service.

The affected retirees are those who have retired directly from active employment with a benefit under the retirement program. An increase will also be made in any continuing benefits payable to survivors of such retirees, and survivors of employees who died while in active employment prior to July 1, 1969.

The announcement of the increase was made at the same time that improvements in the Pension and Group Insurance Plans were announced for eligible active employees.

Affected retirees and survivors will receive, beginning July 1, an increase of five per cent in their monthly retirement income. For retirees, the increase is subject to a minimum of \$10 and a maxi-

mum of \$25 per month. For survivors, where benefits are payable, the minimum is \$5, and the maximum is \$12.50 per month. This also applies, where benefits are payable, to future survivors of the affected employees.

Other major retirement improvements effective July 1 for active employees include:

Pension calculations will be based on the final five years' earnings before retirement — or the best five calendar years of the final 10 years—whichever results in the greater benefit to the employee. This change will mean a substantial increase in retirement benefits for eligible employees. Previously, benefits were calculated on the final 10 calendar years before retirement.

A new provision is a minimum monthly pension of \$4 times the years of service, plus 10 percent of the average monthly earnings during the last five years before retirement. The amount paid is subject to deduction from any contributory Retirement Plan benefits payable.

In addition, if an employee with 10 years of service dies while in active employment and at the time of death is 55 years of age or older, his spouse will automatically receive for life a benefit of 50 per cent of the pension benefit the employee would have received had he retired on the date of his death.

As an added benefit, the waiting period for election of post-retirement surviving spouse option has been reduced from one year to one month before retirement.

## AEC Experiments With New Concrete

A tough, new material, called concrete polymer, is being developed by the Atomic Energy Commission and the Bureau of Reclamation.

The new material, which uses radiation to combine conventional concrete and plastic, is highly resistant to abrasion and freeze-thaw damage and is nearly 100 percent resistant to corrosion.

Development of the material is under way at the AEC's Brookhaven National Laboratory, Long Island, New York. Sample preparation and final product testing are being conducted at the Bureau of Reclamation's Engineering and Research Center, Denver, Colorado.

### AEC CHAIRMAN

Dr. Glenn T. Seaborg has served the Atomic Energy Commission longer than any other Commissioner.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
212 Days Or  
6,683,000 Man-Hours  
(Unofficial Estimate)  
Through June 22  
Without A Disabling Injury  
SAFETY AT HOME,  
AT WORK, AT PLAY

## Museum Count Up On 'Off' Season

A record for "off season" visitors was established during the first five months of this year at the Atomic Energy Commission's American Museum of Atomic Energy here. The number soared to 42,952, an increase of more than 20 per cent over the previous high of 34,131 recorded during the same period in 1967.

Although the statistics for January and February were fairly close in the two-year comparison, there were substantial differences between totals for March, April and May. Some 37,510 people visited the Museum during those three months this year, compared with 26,693 in 1967.

Five-figure attendance totals have been achieved in three months this year: March, 12,168 visitors; April, 12,896; and May, 12,446. Monthly attendances normally do not reach the five-figure range until after Memorial Day when the tourist season begins.

Visitors to the Museum during the first five months of 1968 numbered 26,930. In all cases, this year's monthly totals have surpassed those of the corresponding months last year.

The Museum — the first of its kind in the nation devoted to explaining the uses of the peaceful atom in nontechnical terms — is operated for the AEC by Oak Ridge Associated Universities. There is no admission charge, and the Museum is open from 9 a.m. to 5 p.m., Monday through Saturday, and from 12:30 to 6:30 p.m. on Sunday.

Regular guided tours and lecture-demonstrations are conducted throughout the day for visitors by specially trained exhibit managers, many of whom are on "home assignment" in Oak Ridge for the summer after touring during the school year with units of the Commission's high school mobile lecture-demonstration program, "This Atomic World."



W. W. CLEM, E. E. HILL, J. L. HOUSEHOLDER, JOHN CIANCIO, R. P. DINWIDDIE and E. D. Freels received congratulations, left to right standing . . . from Harold E. Alvey, Dimensional Inspection. Seated are H. L. Bell, F. J. Mason, H. E. Stout, O. H. Dunaway and R. R. Stokes who also completed the True Positioning course sponsored by the inspection department.

## 96 Youth Take YOP Advantages

A total of 96 young people from 21 communities in East Tennessee has started work under the Youth Opportunity Program at the three Oak Ridge facilities. The Youth Opportunity Program is for persons between the ages of 18 and 21 who are high school graduates or students planning to continue their education either in college, business, vocational or training schools.

Participants will work for approximately 10 weeks, and the base salary will be about \$330 per month.

A total of 53 participants have been selected by Oak Ridge National Laboratory, 30 by the Oak Ridge Gaseous Diffusion Plant, and 13 by Y-12.

This is the fourth year the Oak Ridge plants have participated in the program.

Early this year, Union Carbide's central employment staff members worked with high school guidance counselors in several counties to find suitable candidates for the program. Significant assistance in the recruitment also was provided by the Community Action Centers, Neighborhood Job Corps, and state employment offices.

## Crume-Thomas Paper Given At Nuclear Meet

H. E. Crume, Radiation Safety Department; and J. T. Thomas, Critical Experiments Facility, co-authored a paper presented at the American Nuclear Society meeting in Seattle, Washington, last week. The title of the paper was "Critical and Near-Critical Graphite Moderated Arrays of U (93.2) Cylinders."

### GOOD TIME TO LIVE

'Let others praise ancient times; I am glad that I was born in these.' Ovid b. 43 B.C.

## Wilson New President As Rush Is Named Ambassador

Birny Mason, Jr., chairman of the board and chief executive officer of Union Carbide Corporation, has announced a major change in the management of the corporation. F. Perry Wilson has been elected president and in this capacity will serve as chief operating officer. He succeeds Kenneth Rush who has been named by President Nixon to the post of Ambassador to West Germany.

Wilson, a graduate of North Carolina State University, has had unusually broad experience with Union Carbide. He started his career in 1941 as a salesman for the Bakelite Division. After various assignments in the Canadian operations of Union Carbide, he became executive vice-president of Union Carbide Canada Ltd. for overseas assignments. In 1964 he became president of Union Carbide International Company. Most recently he has been group vice-president in charge of all chemicals and plastics operations in the United States and Puerto Rico.

Union Carbide undertook a worldwide reorganization several years ago which resulted in the formation of new operating subsidiaries both domestically and overseas. During this transition period the top management group consisted of four senior officers who constituted the president's offices. This program, involving many changes in personnel, has been completed and Mason stated that the president's office would now be dissolved.

Kenneth H. Hannan, has been elected vice-chairman of the board, and Wilson has also been elected a director of the corporation together with William S. Sneath, who several years ago was elected a vice-president and designated senior financial officer of the corporation.

Adger S. Johnson, who is a director, and has been a member of

the president's office, will complete a basic long-term planning project for the corporation by the end of this year, at which time he reaches age 62 and plans to retire.

Replacing Wilson as group vice-president in charge of chemicals and plastics is Warren M. Anderson who at present is president of the Chemicals and Plastics Operations Division.

At the annual stockholders meeting held recently, Mason reported substantial progress in resolving severe operating difficulties experienced during the past two years. Sales for the first quarter of 1969 were \$680.9 million, an increase of 8 per cent over 1968. Earnings were \$50.8 million, or 84 cents a share, an increase of 28 per cent over the \$39.8 million, or 66 cents a share, earned in the first quarter of 1968. The 1969 figure includes a nonrecurring gain of 9 cents a share resulting from the sale of Neisler Laboratories, Inc.

Mason indicated that this improvement in operations has continued thus far during the second quarter of this year.

## Joint Seminar Set Physics-Electronuclear

A joint Physics and Electronuclear Division seminar this week features S. A. Moszkowski, University of California at Los Angeles. His subject will be "Nuclear Surface Properties with Simple Effective Interactions."

The seminar is set for tomorrow, Thursday, June 26, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

### ONE WAY PASSAGE

The word Sahara literally means in a primitive language "wild land good only for crossing."



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

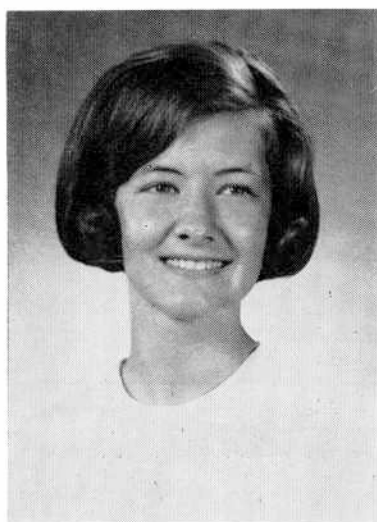
JAMES A. YOUNG .....Editor



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## Girls' State Governor Has Y-12 Kinsmen



Vicki Johnson

Some proud Y-12 eyes turned recently toward Murfreesboro. Paul J. Johnson, Sr. and son, Paul J. Johnson, Jr., learned that Vicki had been named state governor at the Tennessee Girls' State.

Two of the three top posts in the government workshops went to Oak Ridgers.

The Johnson Sr. family lives at 109 Hickory Place.

In a pre-inaugural statement, Vicki said she would encourage all Tennessee girls to "search the windmills of their minds and see themselves as true individuals. I want to work with all the girls in Tennessee regardless of race or religious conviction to develop a true spirit of Christian brotherhood," she said.

Vicki will be a senior at Oak Ridge High School this year . . . where she has been elected secretary of the ORHS Student Council. She is also a member of the high school Tennessee Club and the girls' track team and of the Oak Ridge Church of God.

Vicki's proud brother is in Y-12's Assembly Technical Staff, while Dad is in Area Five Maintenance.

### TO BE OPEN . . .

"We have a duty to the things . . . we are close to . . . a discipline . . . an art . . . a community. . . . We have another duty . . . to be open and welcoming to all. . . . And this double sense of faithfulness to that which is our own, an openness to all that is human, is perhaps one of the attitudes, which more even than reform in education, more than any political gimmickry, will help to see us through one of the most peculiar episodes in man's history."

—Robert Oppenheimer.

Don't Act Smart—Be Smart.



June falls gently, making way for the fierce month named for Julius Caesar . . . July. Gently, more Y-12ers cross important dates with Union Carbide Corporation. Congratulations.

### 25 YEARS

**George A. Cowan**, Guard Department, June 26.

**Thelma W. Cole**, Production Analysis, June 26.

**Doyle F. England**, Special Production Scheduling and Coordination, June 26.

**J. D. Silver**, Research Services, June 27.

**Margaret H. Pierce**, Chemical Services, June 27.

**Coram Scott**, Plant Records, June 29.

**Lillian H. Higgins**, Tool Engineering, June 30.

**Fred D. Williams**, General Shop Inspection, July 1.

**Thomas H. Allison**, Guard Department, July 1.

**Chester R. Fultz**, Laboratory Development, July 1.

### 20 YEARS

**Harry A. Garrett**, Buildings, Grounds and Maintenance Shops, July 1.

**William H. Younger**, Buildings, Grounds and Maintenance Shops, July 1.

### 15 YEARS

**Boyd T. Burruss**, Machine Maintenance, June 29.

**James T. Dobbs**, 9215 Rolling, June 29.

**Warren Shadden**, Dimensional Inspection, June 30.

**Charles T. Eldridge**, Electrical and Electronics, July 1.

**Roger W. Cloyd**, Development Operations, July 1.

### 10 YEARS

**Bennie F. Alexander**, Beta Four Heavy Machine Shop, June 29.

**Glenn H. Humphries**, M-Wing Shop, June 29.

**Ellery C. Meyers**, Beta Four Heavy Machine Shop, June 29.

**James G. Worley**, General Machine Shop, June 29.

**Donald G. Sexton**, General Shop Job Liaison, June 29.

**Charles K. McDowell**, Beta Four Heavy Machine Shop, June 29.

**George H. Rains**, Dimensional Inspection, June 29.

**Clifford B. Russell**, Tool Grinding, June 29.

**Raymond H. Wilkerson**, 9215 Rolling, June 29.

**Thomas D. Watts**, Metallurgical Development, July 1.



**JUNE ELLIS, BENEFIT PLANS**, relates how her 137 Georgia Avenue, Oak Ridge, home was raked by fire last Spring. Her husband Ray and her two children Candy and Butch narrowly escaped death in their efforts to break out of the burning house. Ray did sustain painful injuries from his jump as well as the broken glass from the windows.

## 'I Always Thought Fires Happened To Someone Else' . . . June Ellis

*(Editor's Note: Safety continues its relentless battle on off-the-job accidents. During June, all efforts have been pointed at home accidents, highway spills, and recreational mishaps that mar Y-12 each year. Last year alone, 67 persons sustained lost-time injuries away from the job. Fires are the second leading cause of accidental deaths in the home throughout the country. Let June Ellis, Benefit Plans, describe a fire which resulted in an injury to a member of her family.)*

"On March 9 of last year, my husband Ray received serious injuries to his shoulder and back when our home was extensively damaged by fire.

"An emergency was the furthest thing from my mind that Saturday night. My husband and I had spent a very enjoyable evening at the annual Technical Division dance. He and the children were getting ready for bed, while I dressed for a previous commitment to do relief work at the hos-

pital. Being a registered nurse, I occasionally get a request to do relief nursing duty.

"I was at the hospital when the fire was discovered by my family around 2 a.m. It is believed that the fire originated in the wall behind and above a baseboard heater in the living room. My husband awoke when smoke penetrated the room where he was sleeping. When he became aware of the situation, he was already having difficulty breathing; and the exit through the living room was cut off: Ray immediately called the children, asleep in the adjoining room; and then began trying to break out a window for them to escape through.

### Window Broken

"My daughter Candy called to Ray; and he told her to wake her brother and come to the room where he was. She woke her brother Butch and attempted to explain that the house was on fire. When Butch finally realized what his sister was trying to tell him, they put pillows in front of their faces for protection from the smoke and heat and went down the hall to the bedroom to join Ray. Ray had, by this time, succeeded in breaking through the jalousie-type window.

"Candy went into a closet to put on her shoes, because of the heat and glass on the floor. However, Ray told her that there wasn't time and hurriedly helped her through the window to the ground below. She then ran to a neighbor's home across the street and called the fire department. Butch was afraid to jump—the window is quite high, approximately 12 feet above the ground. He told Ray that he would jump to him if he would go first. Ray then proceeded to struggle through the window and to the ground below, taking a pretty bad fall when he landed. Butch then jumped into his arms.

"My husband was placed in an ambulance and rushed to the hospital for treatment of severe cuts

and bruises he had received in breaking out the window and jumping to the ground. I was walking down to the emergency room when the ambulance arrived at the hospital. Just then, I received a page from the night operator, telling me to pick up the nearest phone to receive an incoming call. A neighbor had phoned to tell me that my home was on fire, the children were all right, but my husband was on the way to the hospital. Had it not been for that phone call, I would have been in the emergency room when Ray was brought in.

### In Emergency Room

"I rushed to the emergency room where I found Ray was suffering from excessive smoke inhalation and had sustained deep lacerations to his shoulder, a considerable loss of blood, and a fracture of the spine. An evening that began with an enjoyable dance had ended with my husband severely injured and our home almost destroyed by fire. Ray spent 24 days recovering from the injuries he had sustained. For some reason I had always thought that fires happen to people with coal stoves and furnaces—that with electric heat and proper wiring, the homes of today just didn't burn.

"There are a number of lessons to be learned from a fire of this nature. Each section of the home should contain an exit. The location of all exits in one section of the house may well result in members of the family being trapped by fire, should one occur. Jalousie-type windows make very poor emergency exits. Any window, regardless of the type, that is located high above the ground, makes exit very difficult. No attempt should ever be made to accomplish anything other than just getting everyone out of the house and reporting the fire. A little planning may well prevent your home being destroyed by fire; and even more important, may save a member of your family from serious injury."



**THE ELLIS RESIDENCE** has been remodeled and shows no scars from the blaze that almost levelled it last year. 'I had always thought that fires happen to people with coal stoves and furnaces—that with electric heat and proper wiring, the house of today just didn't burn,' June said.



## Melton Hill Greens Get New Leaders

The Tuck-Wetzel team moved up to tie in the lead for the Melton Hill Golf race last week, with a six-point win over Butler-Carter. Other sweeps went to Riggs-McElroy over Hill-Helton; Parker-Parrott past Sherrod-Wyrick; Ellis-Sise over Nelson-Poly; Butler-Stewart past Gordon-Loupe, and Holdaway-Nixdorf over Alvey-Phillips.

Posting four were Baker-Babb over Clabough-Tiller, Sewell-Sewell over Winstead-Ferguson; and Wright-Dunaway past Gresham-Bell.

Frank Tuck, J. R. Baker and H. E. Wright all scored 37 on the nine holes. Frank Winstead and Wright tallied 33 handicap scores.

League standings follow:

Team	W	L
Baker-Babb	23	7
Tuck-Wetzel	23	7
Butler-Stewart	23	7
Riggs-McElroy	21	9
Clabough-Tiller	20	10
Sherrod-Wyrick	18	12
Parker-Parrott	18	12
Sewell-Sewell	16	14
Alvey-Phillips	16	14
Gresham-Bell	15	15
Ellis-Sise	13	17
Holdaway-Nixdorf	13	17
Ferguson-Winstead	12	18
Wright-Dunaway	12	18
Nelson-Poly	10	20
Helton-Hill	6	24
Carter-Butler	5	25
Gordon-Loupe	4	26

## HossShoe Action Began June 19

The X-Y Horseshoe League pitched its first trophies last week . . . beginning the eight-team competition.

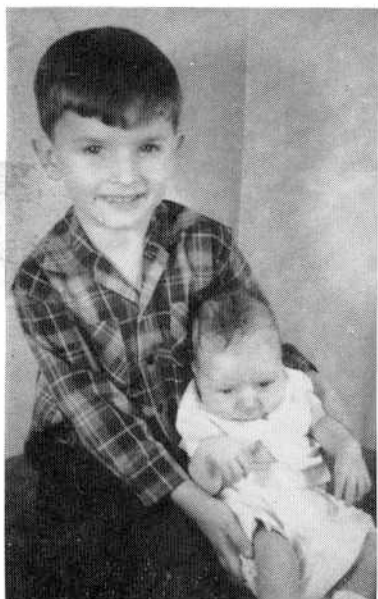
Raper-Luckett posted a forfeit win over Gossage-Norris . . . and Reed-Stephens outpitched Gray-Copeland for eight points. Posting seven were Durham-Harness over Helms-Fowler.

League standings follow:

Team	W	L
Raper-Luckett	9	0
Reed-Stephens	8	1
Durham-Harness	7	2
Helms-Fowler	2	7
Gray-Copeland	1	8
Gossage-Norris	0	9
Wyatt-Wagner	0	0
Case-Allmon	0	0

### HOME FIRES BURNING

Home fires are fed by just such "treasures" as old clothing, mattresses and bedding, curtains, wallpaper remnants, newspapers, bags and boxes. Clean out these things which are ready fuel for unwanted fire—and do it now, urges the National Fire Protection Association.

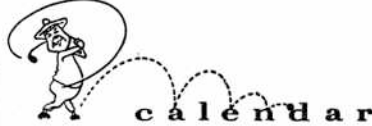


**FINE BOYS** these are . . . the sons and grandsons of Y-12ers. They are Jackie, five years old, and James Dennis Smith, five weeks old . . . sons of J. T. Smith, Dimensional Inspection; grandsons of H. D. Smith, Buildings, Grounds and Maintenance Shops. The Smith home is in Harriman.



**THE GO GO GOPHERS MUST CLAIM** the most original name in the Softball League this year . . . even though their chances of claiming the title look rather dim as of this date. They are, from left, in the front row . . . Larry Byars, Tom Davidson, Manager Mike Gregg, Assistant Manager Eddie Edwards, and Gary Bowers. In the rear are Ronnie Phillips, Terry Sweeney, Charles Anderson, Fred Felte, Max Whatley, Jim Bailey and Ted Williams (a familiar diamond name, if there ever was one!)

## Recreation



### Saturday, June 28

**GOLF TOURNAMENT:** 7:00 a.m. Southwest Point Golf Course, Kingston.

**HI POWER RIFLE LEAGUE:** 9 a.m. Oak Ridge Sportsmen's Association Range.

### Monday, June 30

**SOFTBALL LEAGUE:** 6:15, 7:30, 8:45 p.m. Pinewood Park. Beta 4 Astros vs. Colts; Braves vs. 69ers; A-Wingers vs. All Stars.

### Tuesday, July 1

**SOFTBALL LEAGUE:** 6:15, 7:30, 8:45 p.m. Pinewood Park. Buccaneers vs. NC Squad; J-Birds vs. Yankees; Beta 2 Miners vs. Snakes.

**PHYSICAL FITNESS (For Men):** 7:30 p.m. Oak Ridge High School Gym.

**WHITTLES GOLF LEAGUE:** After work, Whittle Springs Golf Course, Knoxville.

### Wednesday, July 2

**SOFTBALL LEAGUE:** 6:15, 7:30, 8:45 p.m. Pinewood Park. Bat Boys vs. K-25 Gashouse Gang; Big Shops vs. Show Ups; Beta 4 Astros vs. Eagles.

**MELTON HILL GOLF LEAGUE:** After work, Melton Hill Golf Course, Clinton.

**HORSESHOE LEAGUE** 7 p.m. City Courts, Jackson Square, Oak Ridge.

### Thursday, July 3

**SOUTHWEST POINT GOLF LEAGUE:** Southwest Point Golf Course, Kingston.

**PHYSICAL FITNESS (For Men):** 7:30 p.m. Oak Ridge High School Gym.

### Friday, July 4

**INDEPENDENCE DAY:** Holiday for Y-12ers, as Uncle Sam celebrates his 193rd birthday!

### NUMERO UNO

Prestone anti-freeze was introduced by Union Carbide Corporation in 1927 and has been the number one anti-freeze brand in the field ever since.

### HIDDEN TALENTS

Some people have such a talent for making the best of a bad situation that they go around creating bad situations so they can make the best of them.

## Braves Drop Snakes From Top Of The Heap In Softball

Head-knocking action in the Softball League last week eliminated another topstanding team from the ranks of the undefeated.

Monday dawned on a forfeit as the Beta 4 Astros failed to field a team and took a loss to the Buccaneers.

The J-Birds came across the plate in the final seconds of the game to down the Gashouse Gang 5 to 4 . . . Charlie Hensley homered for the losing squad.

Wernow Gordon's triple contributed considerably to the Birds' hopes.

Big Shops belted the Beta 2 Miners 10 to 8 in final play Monday.

Clem Martin put a long one over the fence . . . and Dave Rowell did likewise for the losing squad.

### Show-Ups Win

The Show-Ups showed up to post a forfeit win over the A-Wingers.

The Colts clipped the NC Squad 9 to 1, outclassing the Y-12 team in every inning.

Sam Duncan ripped a far one into the weeds.

The 69ers outstripped the Bat Bat Boys 20 to 3 in the final Tuesday game.

Lowery Underwood and Ronnie Norris poled long ones for the wingers . . . Glen Kitchings for the losers.

### Eagles In Close One

The Eagles edged by the All Stars 11 to 10 in the first game

## Goss-Stanton Eke Out SW Lead

Bill Mee fired low again in the Southwest Point Golf League last week . . . carding a 38. Handicap lows went to Jones, Goss, Verner and Clayton . . . all with 37.

The Goss-Stanton team pulled into the lead with a four-point win over Smith-Henderson; and Jones-Morgan moved up with a similar win over Mee-Wright.

Clayton-Verner posted five points at the expense of Argo-Groppe.

League standings follow:

Team	W	L
Goss-Stanton	21	9
Smith-Henderson	20	10
Jones-Morgan	18	12
Clayton-Verner	13	17
Mee-Wright	11	19
Argo-Groppe	7	23

Thursday night. Paul Febbo felled on to take four-bags on the hit.

The Yankees out-clipped the Go Go Gophers 17 to 8 in the second game of the final night of play.

Frank Clayton and Jerry McKinsey both took long ones for the winners.

The Braves got to within half-way mark in the league undefeated by downing the Y-12 Snakes 13 to 3 in the big game of the week. (It was the first defeat for the Snakes.)

Jack Cowan unleashed two four-baggers, Jim Shoemaker sank one . . . for the winning scores.

The Braves poled 14 hits . . . to the Snakes' four, which tells the story quite well.

### League standings follow:

Team	W	L
Braves	7	0
Y-12 Snakes	6	1
K-25 Colts	6	1
69ers	6	1
All Stars	5	2
Eagles	5	2
K-25 Gashouse Gang	4	3
Yankees	4	3
J-Birds, K-25	4	3
Buccaneers	4	3
Big Shops	4	3
A-Wingers	3	5
Go Go Gophers	2	5
Show-Ups	2	5
NC Squad	1	6
Beta 2 Miners	0	6
Beta 4 Astros	0	7
Bat Boys	0	7



**Riders wanted or will join car pool from Hunter Circle area, Oak Ridge, to East Portal, straight day.** James R. Williams, plant phone 3-5445.

**Ride wanted from Caryville to North or Central Portal, straight day.** Shirley Ward, plant phone 3-5321, home phone Caryville 562-8552.

**Ride wanted from Kingston Woods, West Knoxville area, to North Portal, straight day.** W. B. Snyder, plant phone 3-5373, home phone Knoxville 584-5198.

**Ride wanted from Bomar, Lonsdale area, Knoxville, to Central or North Portal, straight day.** Sandra Smith, plant phone 3-7746, home phone Knoxville 522-5827.

## Reimann Fires Hi In Rifleering

ORNL marksmen swept the honors in the fifth match of the All Carbide High Power Rifle League, fired on June 14. It was won by George Reimann, with a 474 out of 500. Don Kiplinger, ORNL, a relatively new shooter, was second with a 464 while Anthony Abbatiello, ORNL, was a close third with a 463.

The High Power Rifle League will fire its sixth match Saturday, June 28 . . . at 9 a.m.

Other scores for June 14's firings were:

Firer	Score
Bill Galyon, Y-12	454 9x
Bill Kelley Jr., Y-12	454 8x
Jack Mrochek, ORNL	439
Bill Denton, Y-12	437
Arvin Quist, ORNL	436 5x
Hugo Bertini, ORNL	436 3x
Bert Searles, Y-12	429
Jimmy Bell, ORNL	424
Vic Fowler, ORNL	385 2x
Larry Weston, ORNL	385 2x
J. T. Adams, Y-12	360
George Lowe, K-25	328
C. F. Harrison, ORNL	317

## Whittle Golf Top To Ball-Leach

The Ball-Leach team drew a bye last week in the Whittle Springs Golf League, to maintain their slim lead in standings. Troutman-Chitwood wrested four points from True-Poe; as Holland-Wilson did from Norris-Smeltzer. Sharing three were Tharpe-Dake and Cowen-O'Neal.

M. J. Tharpe put a 44 low scratch score down . . . Cecil Chitwood tallied a 35 handicap score, posting five pars on the nine holes.

### League standings follow:

Team	W	L
Ball-Leach	20	4
Tharpe-Dake	14	10
Cowen-O'Neal	13	11
Troutman-Chitwood	13	17
Norris-Smeltzer	10	14
Holland-Wilson	10	14
True-Poe	10	20

## TCWP-Hiking Club Plan Joint Hike

The Tennessee Citizens for Wilderness Planning, jointly with the Smoky Mountain Hiking Club, is sponsoring an overnight outing in the Roane Mountain region June 28, 29. The group will camp at the Dennis Cove Campground Saturday night. Saturday afternoon, starting at 1 p.m., there will be a hike through the beautiful gorge of the clear-running Laurel Fork, with swimming below Laurel Falls. Sunday, hikers will start from Carver's Gap, near the famed rhododendron gardens, and walk along the Appalachian Trail—a mountaintop hike with spectacular views. TCWP invites all interested persons to join this outing. To reach the Dennis Cove Campground, go through Johnson City, Elizabethton, and Hampton, on U.S. 321, and turn right one mile beyond Hampton, at Braemar, for five more miles.

More information may be obtained from R. L. or E. C. Lorenz, Oak Ridge telephone 483-4742, or Mike Weatherly, Knoxville 534-5066.



"I liked the one that cured my hiccups."



## Dozen Y-12ers Take Many Years Company Service As They Retire



Abrams Bohanan Cowan Huffman



Hunt Niles Reece Riddle



Seymour Siler Swindell Tilley

An even dozen Y-12ers retire this month . . . four normally on the attrition list; and eight have elected early retirements. In company service, the Y-12ers add up more than 225 years of company service.

**L. E. Abrams**  
General Machine Shop  
Csd: January 1, 1954  
Home: R. 2, Offutt Rd., Clinton

**Wallace L. Bohanan**  
Buildings Grounds and Maintenance Shops  
Csd: July 9, 1951  
Home: 2500 Chillicothe Ave. Knoxville

**Charlie D. Cowan**  
Process Maintenance  
Csd: June 22, 1953  
Home: 1501 Bonita Drive Knoxville

**Robert T. Huffman**  
Buildings, Grounds and Maintenance Shops  
Csd: November 2, 1943  
Home: 120 Taylor Rd., Oak Ridge

**Joseph P. Hunt**  
General Shop Inspection  
Csd: January 22, 1951  
Home: Route 1, Kingston

**Warren A. Niles**  
Facilities Engineering  
Csd: December 2, 1957  
Home: 11 West Circle Rd. Norris

**John S. Reece**  
Chemical Services  
Csd: May 1, 1944  
Home: 154 Kentucky Ave. Oak Ridge

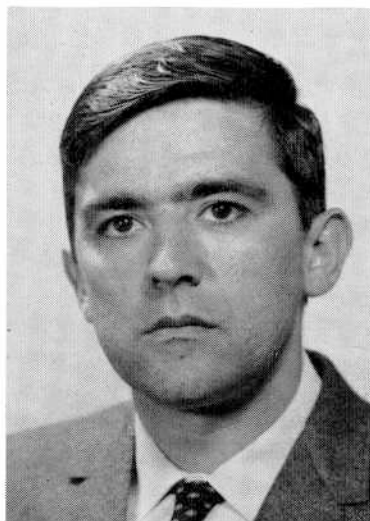
**James T. Riddle**  
Guard Department  
Csd: August 11, 1945  
Home: 404 West Wheeler Rockwood

**Warren C. Seymour**  
Chemical Services  
Csd: October 2, 1943  
Home: 132 Alabama Ave. Clinton

**Charlie W. Siler**  
Building Services  
Csd: January 11, 1948  
Home: 2647 Parkview Ave. Knoxville

**Thomas C. Swindell**  
Facilities Engineering  
Csd: January 29, 1946  
Home: R. 14, Gallaher View Knoxville  
**James E. Tilley**  
Building Services  
Csd: June 15, 1951  
Home: Route 1 Erie, Tennessee

## Law Degree Goes To Clary's Son



Bill Clary

Bill Clary, a former Y-12er and son of R. H. Clary, Maintenance, received his doctorate of jurisprudence from the University of Tennessee Law School at the Spring commencement.

Bill worked in the Standards Lab as an instrument mechanic prior to his return to school. Since then he has received a BS in economics, magna cum laude. While in under-graduate school he was initiated into both Beta Gamma Sigma and Phi Kappa Phi, honorary fraternities.

During his three years in law school Bill was the 1967 recipient of the Law Alumni Scholarship. He also was elected historian of Phi Delta Phi, legal fraternity, and treasurer of the Student Bar Association. He will take the Tennessee Bar Examination early next month.

An orderly work location provides incentive, creates pride, and helps achieve production goals.

## Payment By Computer Saves Many Dollars

A computerized shortcut developed by the Nuclear Division, Union Carbide Corporation, for paying bills is saving the taxpayer thousands of dollars every year.

The Nuclear Division, which operates three major plants at Oak Ridge and one at Paducah, Ky., for the U.S. Atomic Energy Commission, has taken a simple idea and implemented it through the electronic data processing equipment at the Computing Technology Center. Instead of waiting throughout the usual business procurement cycle—contract, delivery, billing by vendor, manual auditing, and then payment—in most cases the computer now takes over payment responsibilities as soon as the ordered goods are delivered.

The computer, fed with contract information "electronically" checks goods actually received against those ordered. If the two "mesh," payment is made automatically by computer-written and computer-authorized checks. The automated system eliminates the need for vendor invoices and manual auditing for more than 60% of the Nuclear Division's procurements, including nearly all purchases of \$2,500 or less. Because of it, the AEC saved \$34,000 in 1967 and has continued to make comparable savings since then.

The machine rejects for manual audit any receipts which, because of overages and other discrepancies, fail to match the terms agreed on in the purchase order. Other built-in safeguards protect against computer "mistakes" in payments.

"The system benefits both buyer and seller," according to Oral Rinehart, manager of General Accounting and Finance for the Nuclear Division's Oak Ridge installations.

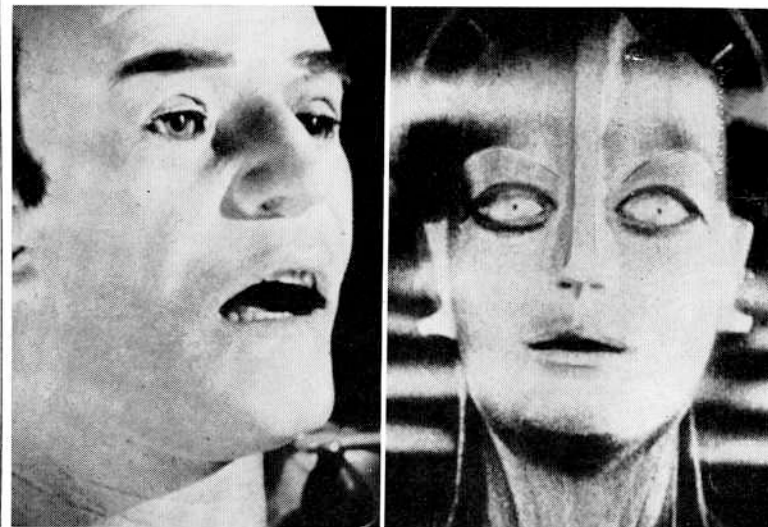
Payments are made on a cycle basis, permitting accumulation of items into one payment. Thus, the system not only saves time, on the average, but also requires fewer checks for paying bills. Another benefit is reduced opportunity for human error.

The accounts payable system was developed, and carefully implemented over a three-year period, through the cooperative efforts of the Nuclear Division's General Accounting and Finance Division, Central Purchasing Division, Central Purchasing Division, and Computing Technology Center.

**UNION CARBIDE CORPORATION**  
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**EERIE FACES OF LIFE-LIKE** robots are science fiction creations of machine-made people devoid of humanity to be shown in 'The 21st Century' episode, 'Stranger Than Science Fiction,' Sunday, June 29, at 6 p.m., EDT, in color on the CBS Television Network. The program is carried here by WBIR-TV, Channel 10. The broadcast will present attempts made by science fiction writers in films and literature to anticipate the world of the future. CBS News Correspondent Walter Cronkite is principal reporter for the series which is sponsored in the public interest by Union Carbide Corporation.

## 'Stranger Than Science Fiction' On 21st Century TV Show Sunday

Attempts by science fiction writers and film makers to anticipate the world of the future will be contrasted with today's reality in "The 21st Century" episode, "Stranger Than Science Fiction," Sunday, June 29, at 6 p.m., EDT, in color on the CBS Television Network. CBS News Correspondent Walter Cronkite is principal reporter for the series which is sponsored in the public interest by Union Carbide Corporation. Knoxville TV station WBIR-TV, Channel 10, carries the program here.

The broadcast will present outstanding examples of science fiction which created an imaginary world out of some of man's most

ambitious dreams, such as a trip to the moon depicted long before the first manned space flight. Scenes from old science films envision a future of marvelous new inventions now come true, of Flash Gordon with his picture phone and searing beam of light, and Buck Rogers racing through the skies with his rocket belt.

Not all science fiction dreams come true, however. Predictions made by science fiction writers in literature and films will reveal instances where they have been strikingly accurate, others where they have gone astray.

"Stranger Than Science Fiction" was written by John Wilkman. Fred Warshofsky is science editor for the series. Isaac Kleiner is producer and Burton Benjamin is executive producer.

"Stranger Than Science Fiction" Sunday at 6 p.m. over WBIR-TV, Channel 10.

## Girls Favor Early Marriages . . . Naturally!

A survey recently in a group of high school seniors revealed that at least 42 per cent of the girls wanted to be married before they reach the age of 21. Only 14 per cent of the boys surveyed expressed the same sentiment. This trend, according to findings of the survey, will cause fresh-out-of-high-school girls to begin marrying boys who are older than themselves.

The study revealed further that the idea of putting off marriage until after college, military service or a few carefree years of work is popular with high proportions of youngsters.

One joker on the job is one too many.



**THESE ARE THE FIRST THREE SUPERVISORS** from the Dimensional Inspection Department who have completed the newly initiated supervisors' training program. Presenting the awards above is Harold E. Alvey, right . . . to R. P. Dinwiddie, John Ciancio and Frank Mason, right to left. Congratulations, men.